

OIPE

RAW SEQUENCE LISTING DATE: 07/30/2001 PATENT APPLICATION: US/09/757,982 TIME: 12:32:42

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Output Set: N:\CRF3\07302001\1757982.raw

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3 <110> APPLICANT: Acton, Susan
 5 <120> TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
7 <130> FILE REFERENCE: MNI-050
9 <140> CURRENT APPLICATION NUMBER: 09/757,982
10 <141> CURRENT FILING DATE: 2001-01-10
12 <150> PRIOR APPLICATION NUMBER: 09/163,115
13 <151> PRIOR FILING DATE: 1998-09-29
16 <160> NUMBER OF SEQ ID NOS: 15
                                                     ENTERED
18 <170> SOFTWARE: PatentIn Ver. 2.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 4137
22 <212> TYPE: DNA
23 <213> ORGANISM: Homo sapiens
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26 <223> OTHER INFORMATION: 'n' at positions 2872, 3597 and 3682 may be any nucleic acid
28 <220> FEATURE:
29 <221> NAME/KEY: CDS
30 <222> LOCATION: (297)..(1202)
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37 geggegegge gggaggtgge egacaggete egggeetege ageeteagee eeeggeecag 180
39 cgcgctttcc gacggcggcg ccgcgccgag ccacccgccc gcccaaggtc tctcgcgggc 240
41 gggagaacgg aaaactccca acttcctgag ttctaaagtt cctgttgctt cagaca atg 299
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43
45 gat gag caa tca caa gga atg caa ggg cca cct gtt cct cag ttc caa
                                                                      347
46 Asp Glu Gln Ser Gln Gly Met Gln Gly Pro Pro Val Pro Gln Phe Gln
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49 cca cag aag gcc tta cga ccg gat atg ggc tat aat aca tta gcc aac
50 Pro Gln Lys Ala Leu Arg Pro Asp Met Gly Tyr Asn Thr Leu Ala Asn
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53 ttt cga ata gaa aag aaa att ggt cgc gga caa ttt agt gaa gtt tat
54 Phe Arg Ile Glu Lys Lys Ile Gly Arg Gly Gln Phe Ser Glu Val Tyr
        35
                            40
55
57 aga gca gcc tgt ctc ttg gat gga gta cca gta gct tta aaa aaa gtg
58 Arg Ala Ala Cys Leu Leu Asp Gly Val Pro Val Ala Leu Lys Lys Val
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61 cag ata ttt gat tta atg gat gcc aaa gca cgt gct gat tgc atc aaa
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65 gaa ata gat ctt ctt aag caa ctc aac cat cca aat gta ata aaa tat
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66 Glu Ile Asp Leu Leu Lys Gln Leu Asn His Pro Asn Val Ile Lys Tyr
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69 tat gca tca ttc att gaa gat aat gaa cta aac ata gtt ttg gaa cta
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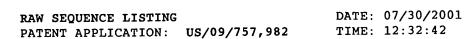
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86 1	Ile	Lys	Pro	Ala	Asn	Val	Phe	Ile	Thr	Ala	Thr	Gly	Val	Val	Lys	Leu	
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89 0	gga	gat	ctt	ggg	ctt	ggc	cqq	ttt	ttc	agc	tca	aaa	acc	aca	gct	gca	875
				Gly													
91	1		180	4		•	_	185				_	190				
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94 1	His	Ser	Len	Val	Glv	Thr	Pro	Tvr	Tvr	Met	Ser	Pro	Glu	Arq	Ile	His	
95		195		,	1		200	-1-	- 1 -			205					
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98 (3111	Agn	Glv	Tyr	Asn	Phe	Lvs	Ser	Asp	Ile	Trp	Ser	Leu	Gly	Cys	Leu	
99 2			011	-1-		215	-1-				220			- 4	-	225	
		a tai	t σad	r ato	a ac.		a tta	a caa	a agr	t. cct		c ta	t aa	t gad	aaa	a atg	1019
																s Met	
102	пес	1 1 y .	LOI	1110	23					23		1		1	24		
	221	- ++:	a ta	r to:			- aad	r aa	σ ata			a t.a	t. ga	e tac		a cct	1067
105	λcı	T.O	а са: 1 Тт.	r Sei	r T.O	ı Cv	z T.ve	s T.v	s Tla	a Gli	ı Gli	n Cv:	s Asi	o Tvi	r Pro	o Pro	
107	MOI	т пе	и гу.	24!		u Cy.	Д	יעם כ	25		. 01.	01.	JD,	25			
	a+1	- 00	+ +0			n tai	t ta	a mai			ר כמ	a ca	or tt:			t atg	1115
110	TO	ı Dr	2 60	a ya	n Hi	е Т <i>ът</i>	r Sp	r Gli	וו הו	ı T.ei	ı Ar	a Gl	n Tiel	ı Va	l As:	n Met	
111	ьес	1 PI	26		o ni	эту.	. 50.	26		u nc	u ni	9 .01	27				
	+~	+			- ma	t oo:				a cc	a cra	c at		-	t at	t tat	1163
113	Lge	. au	c aa	D D D	a ya	L 000	2 ya	y aa	g cy	a CC	a ya	n Va	1 mh	r Tu	r Va	l Tyr	1100
	_			n Pro	J AS	b PI	28		O AL	g FI	J KS	28			. , .	1-	
115		27		a aa	~ ~~	~ a+	_		2 + m	0 20	t aa		_	c ta	aaca	taca	1212
															aucu	cycu	1212
		-	T AI	a Ly	S AI			SAL	a cy	5 111.	30		1 56	L			
119			.		.	29		+	+~ ~	+		-	~~~	art a	at a	cotecc	a · 1272
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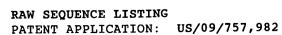
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Output Set: N:\CRF3\07302001\I757982.raw

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		Glu	Ile	Asp	Leu 85		Lys	Gln	Leu	Asn 90		Pro	Asn	Val	Ile 95	Lys	
	Tyr	Tyr	Ala	Ser 100		Ile	Glu	Asp	Asn 105	Glu	Leu	Asn	Ile	Val 110	Leu	Glu	
247 248		Ala	115					120				•	125				
251		Lys 130					135					140					
		Cys	Ser	Ala	Leu	Glu 150	His	Met	His	Ser	Arg 155	Arg	Val	Met	His	Arg 160	•
254	145	Ile	T 110	Dro	λla		Va l	Dho	Tla	Thr		Thr	Glv	Va l	Va l		
257					165					170					175		
259 260	Leu	Gly	Asp	Leu 180	Gly	Leu	Gly	Arg	Phe 185	Phe	Ser	Ser	Lys	Thr 190	Thr	Ala	
262		His			Val	Gly	Thr		Tyr	Tyr	Met	Ser		Glu	Arg	Ile	
263	1	-1	195	01	m		nh -	200	C	N an	т10	m~n	205	Lou	G137	Cve	
265 266		Glu 210	Asn	GIY	Tyr	Asn	215	гÀг	ser	ASP	iie	220	Ser	Leu	GIY	Cys	
268	Leu	Leu	Tyr	Glu	Met	Ala	Ala	Leu	Gln	Ser	Pro	Phe	Tyr	Gly	Asp	Lys	
	225					230					235					240	
271	Met	Asn	Leu	Tyr	Ser	Leu	Cys	Lys	Lys		Glu	Gln	Cys	Asp	Tyr	Pro	
272					245					250	_	_			255	•	
		Leu	Pro		Asp	His	Tyr	Ser			Leu	Arg	GIn	_ 270	vaı	ASII	
275		Cys	- 1 -	260	D	3	Dwo	C1	265		Dro	7 an	Va l		Ψvr	Va l	
277		Cys	275	ASII	Pro	ASP	PIO	280	гу	AIG	PIO	rsb	285	TIII	T Y T	, 44 -	
		Asp		Ala	Lvs	Ara	Met		Ala	Cvs	Thr	Ala		Ser			
281	_	290	,			5	295			- 2 -		300					
		0> S	EQ I	D NO	: 3												
		1> L															
		2> T											-				
		3> O			Hom	o sa	pien	s									
		0> F															
		1> N					061										
		2> Lo				(9	00)										
293	240	0> S: gat	asa au	NCE:	tra	caa	ада	atσ	caa	aaa	cca	cct	att	cct	cag	ttc	48
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306	tat	aga Arg	gca	gcc	tgt	CTC	ttg	gat	gga	y La	Dro	yıa Vəl	yct al∍	נבם ד.בוי	aaa T.ve	aaa T.ve	174
307	туr	Arg	ΑТД	мта	Cys	ьeu	nea	мър	сту	val	FIO	, var	тта	TEU	Lys	2,3	



DATE: 07/30/2001 TIME: 12:32:42

Input Set : N:\Crf3\RULE60\09757982.txt
Output Set: N:\CRF3\07302001\1757982.raw

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3	311	Val	Gln	Ile	Phe	Āsp	Leu	Met	Asp	Ala	Lys	Ala	Arg	Ala	Asp	Cys	TTE	
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3	314	aaa	gaa	ata	gat	ctt	ctt	aag	caa	ctc	aac	cat	cca	aat	gta	ata	aaa	288
3	315	Lys	Glu	Ile	Asp	Leu	Leu	Lys	Gln	Leu	Asn	His	Pro	Asn	Val	тте	Lys	
3	316					85					90					95		226
3	318	tat	tat	gca	tca	ttc	att	gaa	gat	aat	gaa	cta	aac	ata	gtt	ttg	gaa	336
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:	320				100					105				aa+	110	220	220	384
:	322	cta	gca	gat	gct	ggc	gac	cta	tcc	aga	atg	atc	aay	cat	Dhe	T.vc	T.vs	304
		Leu	Ala		Ala	GŢĀ	Asp	ьeu	ser	Arg	met	116	гуз	His 125	FIIC	цуз	цу	
•	324			115			a a t	~~~	120	a 0 t	a++	taa	aaσ		+++	at.t.	caσ	432
	326	caa	aag	agg	cta	att	CCL	gaa	aya	Thr	Val	Trn	T.vc	tat Tyr	Phe	Val	Gln	
		GIn		Arg	ьеи	iie	PIO	135	AIG	1111	Val	115	140	-1-				
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	364		. Суз	275					280		3		- 1	285		_		
	366	+ á+	a a c	ι αta	מכא	aao	raσο	ato			tac	act	gca	ago		:		906
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373 <212> TYPE: DNA

VERIFICATION SUMMARY

DATE: 07/30/2001

PATENT APPLICATION: US/09/757,982 TIME: 12:32:43

Input Set : N:\Crf3\RULE60\09757982.txt
Output Set: N:\CRF3\07302001\I757982.raw

L:175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 L:199 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1